Java Test

(No negative marking. Duration: 30 mins)

1.   What is the output of this program?

```java
class increment {
    public static void main(String args[])
    {
       int g = 3;
       System.out.print(++g * 8);
    }
  }
```

A. 25
B. 24
C. 32
D. 33

2.   What is the output of this program?

```java
class jump_statments
  {
    public static void main(String args[])
    {
       int x = 2;
       int y = 0;
       for ( ; y < 10; ++y)
       {
          if (y % x == 0)
             continue;
          else if (y == 8)
             break;
          else
             System.out.print(y + " ");
       }
    }
  }
```

a) 1 3 5 7
b) 2 4 6 8
c) 1 3 5 7 9
d) 1 2 3 4 5 6 7 8 9

3.   What is the output of this program?

```java
class box
{
    int width;
    int height;
    int length;
    int volume;
    void volume(int height, int length, int width)
    {
        volume = width*height*length;
    }
}
class Prameterized_method
{
    public static void main(String args[])
    {
        box obj = new box();
        obj.height = 1;
        obj.length = 5;
        obj.width = 5;
        obj.volume(3,2,1);
        System.out.println(obj.volume);
    }
}
```

a) 0
b) 1
c) 6
d) 25

4.   What is the output for the below code ?
```java
public class A {
public A(){
System.out.println("A");
}
public A(int i){
this();
System.out.println(i);
}
}
```

```java
public class B extends A{
public B (){
System.out.println("B");
}
public B (int i){
this();
System.out.println(i+3);
}
}
public class Test{
public static void main (String[] args){
new B(5);
}
}
```

A.A B 8

B.A 5 B 8

C.A B 5

D.B 8 A 5

5.   What is the output for the below code ?

```java
1. public class Test {
2. public static void main(String... args) {
3. int x =5;
4. x *= 3 + 7;
5. System.out.println(x);
6. }
7. }
```

A.22

B.50

C.10

D.Compilation fails with an error at line 4

6.   What is the output for the below code ?

```java
public class Test {
public static void main(String... args) {
int a =5 , b=6, c =7;
System.out.println("Value is "+ b +c);
System.out.println(a + b +c);
System.out.println("String "+(b+c));
```

```
    }
}
```

A.Value is 67 18 String 13
B.Value is 13 18 String 13
C.Value is 13 18 String
D.Compilation fails

7.   class Test {
```
  public static void main(String args[]) {
      System.out.println(fun());
  }
  static int fun() {
      static int x= 0;
      return ++x;
  }
}
```

Compiler Error
Run Time Error
1
0

8.   What would be the output of the following fraction of code ?
```
int Integer = 34 ;
char String = 'S' ;
System.out.print( Integer ) ;
System.out.print( String ) ;
```

A.Does not compile as Integer and String are API class names.
B.Throws exception.
C.34
D.S
E.34 S

9.   What would be the output of the following fraction of code ?
```
public class Test {
public static void main(String[] args) {
int j = 5;
for (int i = 0; i< j; i++) {
if ( i <= j-- ) System.out.print( (i*j) + " ");
```

```
            }
        }
}
```

A. 0 3 2
B. 1 2 3
C. 0 3 4
D. 1 4 2

10   What would be the output of the following fraction of code ?
```
public class Test {
  public static void main(String[] args)
  {
    double d = 100.04;
    float f = d;
    System.out.println("Float value "+f);
  }
}
```

A. 100.04
B. 100.0
C. Compilation Error
D. 100

11.   Which statement does not create an object of class Student{} ?

A. new Student();
B. Student s1 = new Student(), s2 = new Student();
C. Student s1;
D. Student ss = new Student();

12.   What will be the output of the following program?
```
class B{
  static int count = 100;
  public void increment()  {
    count++;
  }
  public static void main(String []args){
    B b1 = new B();
    b1.increment();
    B b2 = new B();
```

```
    System.out.println(b2.count);   // line 13
  }
}
```

A. 100
B. 101
C. Error in line 13
D. 0

13.   Given the following code, which line will generate an error ?
```
class Test{
  static int x = 100;        // line 3
  int y = 200;               // line 4
  public static void main(String []args)
  {
    final int z;             // line 7
    z = x + y;               // line 8
    System.out.println(z);
  }
}
```

14.   Based on the code which of the following statement is correct.
```
class A
{
  B b;
}
class B{}
```
A. class A and B represents IS-A relationship.
B. class A and B represent HAS-A relationship.
C. No Relation
D. class B is member of A

15.   What should replace XXXX ?
```
class MyException extends Exception
{
  public void method() throws XXXX
  {
    throw new MyException();
  }
}
```

A. Error

B. MyException

C. RuntimeException

D. throws clause isn't required